

AMENDMENTS TO THE ABSTRACT OF THE DISCLOSURE:

Please amend the abstract of the disclosure as follows:

The invention provides a A heating apparatus (1) for the conductive heating of melts, in particular for the rapid melting-down, refining and/or conditioning of melts, is provided. The heating apparatus includes which has improved cooling. For this purpose, the heating apparatus comprises at least one electrode (3), as well as a first cooling system with a cooling power, which can be set and/or controlled variably.